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09/318,917

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L21	(((709/203)!.CCLS.))	4487
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L19	(L13 or L14 or L15 or L16) and L8	
L18	(L13 or L14 or L15 or L16) and L6	
L17	(L13 or L14 or L15 or L16) and L4	14
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L8	=19980526	. 7
L7	(file same (personal or personalized) near (web adj1 (page\$ or site\$)))	57
L6	=19980526	11
L5	(file same ((user\$ or customer\$ or client\$ or consumer\$) adj1 profile\$) same (web adj1 (page\$ or site\$)))	104
L4	=19980526	55
L3	((user adj1 profile\$) same (web adj1 (page\$ or site\$)))	981
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1 The state of the art in automating usability evaluation of user interfaces Melody Y. Ivory, Marti A Hearst

December 2001 ACM Computing Surveys (CSUR), Volume 33 Issue 4

window

Full text available: pdf(2.31 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Usability evaluation is an increasingly important part of the user interface design process. However, usability evaluation can be expensive in terms of time and human resources, and automation is therefore a promising way to augment existing approaches. This article presents an extensive survey of usability evaluation methods, organized according to a new taxonomy that emphasizes the role of automation. The survey analyzes existing techniques, identifies which aspects of usability evaluation aut ...

Keywords: Graphical user interfaces, taxonomy, usability evaluation automation, web interfaces

² Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Full text available: ndf(4.21 MB)

Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 Computing curricula 2001

September 2001 Journal on Educational Resources in Computing (JERIC)

Full text available: pdf(613.63 KB)

html(2.78 KB)

Additional Information: full citation, references, citings, index terms

09/318,917

4 Tools and approaches for developing data-intensive Web applications: a survey Piero Fraternali

September 1999 ACM Computing Surveys (CSUR), Volume 31 Issue 3

Full text available: pdf(524.80 KB)

Additional Information: full citation, abstract, references, citings, index terms

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...

Keywords: HTML, Intranet, WWW, application, development

5 <u>Current technological impediments to business-to-consumer electronic commerce</u> Gregory Rose, Huoy Khoo, Detmar W. Straub June 1999 **Communications of the AIS**

Full text available: pdf(479.36 KB) Additional Information: full citation, references, citings

⁶ A composable framework for secure multi-modal access to internet services from Post-PC devices

Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler, Eric A. Brewer

October 2002 Mobile Networks and Applications, Volume 7 Issue 5

Full text available: pdf(340.33 KB) Additional Information: full citation, abstract, references, index terms

The Post-PC revolution is bringing information access to a wide range of devices beyond the desktop, such as public kiosks, and mobile devices like cellular telephones, PDAs, and voice based vehicle telematics. However, existing deployed Internet services are geared toward the secure rich interface of private desktop computers. We propose the use of an infrastructure-based secure proxy architecture to bridge the gap between the capabilities of Post-PC devices and the requirements of Internet ser ...

Keywords: internet, middleware, post-PC, security, transcoding

7 Cluster-based scalable network services

Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier
October 1997 ACM SIGOPS Operating Systems Review, Proceedings of the sixteenth
ACM symposium on Operating systems principles, Volume 31 Issue 5

Full text available: pdf(2.42 MB)

Additional Information: full citation, references, citings, index terms

Biliezer Levy, Abraham Silberschatz

December 1990 ACM Computing Surveys (CSUR), Volume 22 Issue 4

Full text available: pdf(5.33 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

The purpose of a distributed file system (DFS) is to allow users of physically distributed computers to share data and storage resources by using a common file system. A typical

configuration for a DFS is a collection of workstations and mainframes connected by a local area network (LAN). A DFS is implemented as part of the operating system of each of the connected computers. This paper establishes a viewpoint that emphasizes the dispersed structure and decentralization of both data and con ...

9 VISA: Netstation's virtual Internet SCSI adapter

Rodney Van Meter, Gregory G. Finn, Steve Hotz

October 1998 Proceedings of the eighth international conference on Architectural support for programming languages and operating systems, Volume 32, 33 Issue 5, 11

Full text available: pdf(1.23 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

In this paper we describe the implementation of VISA, our Virtual Internet SCSI Adapter. VISA was built to evaluate the performance impact on the host operating system of using IP to communicate with peripherals, especially storage devices. We have built and benchmarked file systems on VISA-attached emulated disk drives using UDP/IP. By using IP, we expect to take advantage of its scaling characteristics and support for heterogeneous media to build large, long-lived systems. Detailed file system ...

10 Broadcast and on-line cultural heritage: Broadcast technologies for disseminating cultural heritage

John Cosmas, Take Itegaki, Kannan Krishnapillai, Alan Lucas, Mohammed Akhtar, Graham Thomas, Jigna Chandaria, Wolfgang Putz, Andre Everts, Michael Probst, Peter Stammnitz, Jens Guether, Wolfram Liebsch, Gerhard Stoll, Christoph Dosch Reiner Socker, Chris Brendes, Ronald Mies, Dick Van Smirren, Benoit Mory, Nicolas Santini, Alan Pearmain, Yakup Paker, Mounia Lalmas, Damien Parwporth, Ekaterina Moutogianni, Gunn Klungsoeyr, Lena Pedersen, Pers-Steinar Hansen, Klaus Illgner

November 2001 Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage

Full text available: pdf(1.03 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

This paper introduces the System for Advanced Multimedia Broadcast and IT Services (SAMBITS). It consists of a Studio, Server and TV Terminal system for broadcasting audio/video TV content enhanced by 3D graphics, Internet pages, database indexing and sub-image streaming. It describes two scenarios program for disseminating cultural heritage. The readers are invited to imagine how this system could be used to prepare programs for disseminating archaeology. The paper describes the Studio and Serv ...

11 An empirical study of a wide-area distributed file system

Mirjana Spasojevic, M. Satyanarayanan

May 1996 ACM Transactions on Computer Systems (TOCS), Volume 14 Issue 2

Full text available: pdf(1.50 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms, review

The evolution of the Andrew File System (AFS) into a wide-area distributed file system has encouraged collaboration and information dissemination on a much broader scale than ever before. We examine AFS as a provider of wide-area file services to over 100 organizations around the world. We discuss usage characteristics of AFS derived from empirical measurements of the system. Our observations indicate that AFS provides robust and efficient data access in its current configuration, thus conf ...

Keywords: Andrew, Internet, World Wide Web, scalability, usage, wide area

Computer human interface: Handheld devices for applications using dynamic

multimedia data

Binh Pham, On Wong

June 2004 Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Austalasia and Southe East Asia

Full text available: pdf(209.86 KB) Additional Information: full citation, abstract, references, index terms

Growing demand for ubiquitous and pervasive computing has triggered a sharp rise in handheld device usage. At the same time, dynamic multimedia data has become accepted as core material which many important applications depend on, despite intensive costs in computation and resources. This paper investigates the suitability and constraints of using handheld devices for such applications. We firstly analyse the capabilities and limitations of current models of handheld devices and advanced feature ...

Keywords: collaborative, computer graphics, handheld devices, image processing, multimedia

Consistency and replication: Application specific data replication for edge services Lei Gao, Mike Dahlin, Amol Nayate, Jiandan Zheng, Arun Iyengar May 2003 Proceedings of the twelfth international conference on World Wide Web

Full text available: pdf(476.22 KB) Additional Information: full citation, abstract, references, index terms

The emerging edge services architecture promises to improve the availability and performance of web services by replicating servers at geographically distributed sites. A key challenge in such systems is data replication and consistency so that edge server code can manipulate shared data without incurring the availability and performance penalties that would be incurred by accessing a traditional centralized database. This paper explores using a distributed object architecture to build an edge s ...

Keywords: availability, data replication, distributed objects, edge services, performance, wide area networks (WAN)

14 Experiences with network-based user agents for mobile applications Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee August 1998 Mobile Networks and Applications, Volume 3 Issue 2

Full text available: pdf(631.57 KB)

Additional Information: full citation, abstract, references, citings, index terms

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to address these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network to assist with application processing that would normally take place on end devices. These agents can additionally manipulate data to reduce bandwidth requirements and assist in providing services. The design and implementation of a user a ...

15 The SIFT information dissemination system

Tak W. Yan, Hector Garcia-Molina

December 1999 ACM Transactions on Database Systems (TODS), Volume 24 Issue 4

Full text available: pdf(220.77 KB)

Additional Information: full citation, abstract, references, citings, index terms

Information dissemination is a powerful mechanism for finding information in wide-area environments. An information dissemination server accepts long-term user queries, collects new documents from information sources, matches the documents against the queries, and continuously updates the users with relevant information. This paper is a retrospective of the Stanford Information Filtering Service (SIFT), a system that as of April 1996 was

processing over 40,000 worldwide subscriptions and ov ...

Keywords: Boolean queries, dissemination, filtering, indexing, vector space queries

16 Ontological user profiling in recommender systems

Stuart E. Middleton, Nigel R. Shadbolt, David C. De Roure

January 2004 ACM Transactions on Information Systems (TOIS), Volume 22 Issue 1

Full text available: pdf(358.77 KB) Additional Information: full citation, abstract, references, index terms

We explore a novel ontological approach to user profiling within recommender systems, working on the problem of recommending on-line academic research papers. Our two experimental systems, Quickstep and Foxtrot, create user profiles from unobtrusively monitored behaviour and relevance feedback, representing the profiles in terms of a research paper topic ontology. A novel profile visualization approach is taken to acquire profile feedback. Research papers are classified using ontological classes ...

Keywords: Agent, machine learning, ontology, personalization, recommender systems, user modelling, user profiling

17 SEDA: an architecture for well-conditioned, scalable internet services

Matt Welsh, David Culler, Eric Brewer

October 2001 ACM SIGOPS Operating Systems Review , Proceedings of the eighteenth ACM symposium on Operating systems principles, Volume 35 Issue 5

Full text available: pdf(1.51 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

We propose a new design for highly concurrent Internet services, which we call the *staged event-driven architecture* (SEDA). SEDA is intended to support massive concurrency demands and simplify the construction of well-conditioned services. In SEDA, applications consist of a network of event-driven *stages* connected by explicit *queues*. This architecture allows services to be well-conditioned to load, preventing resources from being overcommitted when demand exceeds service cap ...

¹⁸ Process migration

September 2000 ACM Computing Surveys (CSUR), Volume 32 Issue 3

Full text available: pdf(1.24 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>, <u>review</u>

Process migration is the act of transferring a process between two machines. It enables dynamic load distribution, fault resilience, eased system administration, and data access locality. Despite these goals and ongoing research efforts, migration has not achieved widespread use. With the increasing deployment of distributed systems in general, and distributed operating systems in particular, process migration is again receiving more attention in both research and product development. As hi ...

 $\textbf{Keywords} \colon \text{distributed operating systems, distributed systems, load distribution, process } \\ \text{migration}$

19 Designing human-computer interfaces for quadriplegic people

Constantine E. Steriadis, Philip Constantinou

June 2003 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 10 Issue 2

Full text available: pdf(1.20 MB)

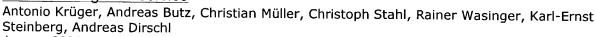
Additional Information: full citation, abstract, references, index terms

The need for participation in an emerging Information Society has led to several research

efforts for designing accessibility solutions for disabled people. In this paper we present a method for developing Human-Computer Interfaces (HCIs) for quadriplegic people in modern programming environments. The presented method accommodates the design of scanning interfaces with modern programming tools, leading to flexible interfaces with improved appearance and it is based on the use of specially ...

Keywords: Accessibility, assistive technology, augmentative communications, disability, graphical keyboard, motor-impaired users, mouse simulation, quadriplegic people, scanning selection, single-switch input, wifsid, word-prediction

20 Novel interaction modalities I: The connected user interface: realizing a personal situated navigation service



January 2004 Proceedings of the 9th international conference on Intelligent user interface

Full text available: pdf(15.31 MB) Additional Information: full citation, abstract, references, index terms

Navigation services can be found in different situations and contexts: while connected to the web through a desktop PC, in cars, and more recently on PDAs while on foot. These services are usually well designed for their specific purpose, but fail to work in other situations. In this paper we present an approach that connects a variety of specialized user interfaces to achieve a personal navigation service spanning different situations. We describe the concepts behind the $\begin{tabular}{l} \begin{tabular}{l} \begin{ta$

Keywords: pedestrian navigation systems, ubiquitous interfaces

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